## TITLE ZERO CONFIGURATION NETWORKING INVENTORS' NAME DAVID BRAUN, ET AL ATTORNEY GREGORY A. STOBBS, Harness, Dickey & Pierce, P.L.C. ATTORNEY DKT. NO. 9432-000104

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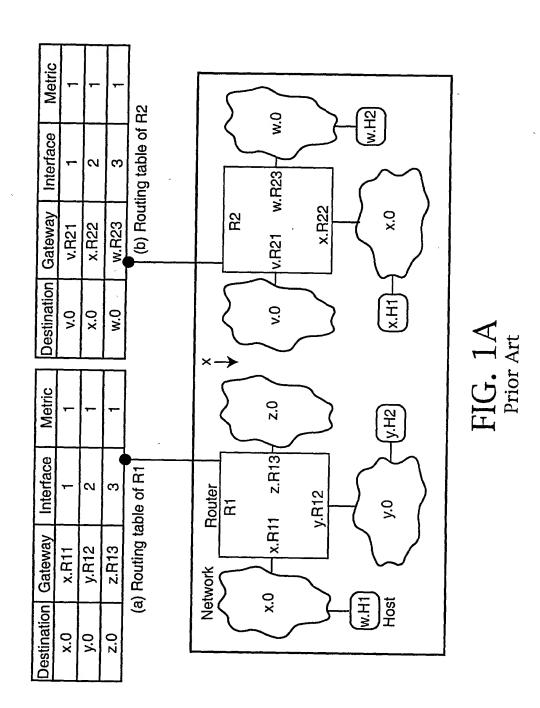


FIG. 1B Prior Art Metric S S Metric (b) Routing table of R2 (w.H2) ×.0 E 1 Interface က S (b) RIP packet: R2 w.R23 Next Hop v.R21 v.R21 v.R21 x.R22 0.× **R**2 Gateway z.R13 w.R23 z.R13 x.R22 v.R21 v.R21 ∞.0 <u>۷</u> ×.0 <u>م</u> Network Interconnection Destination (x.H1 ۷.0 ×.0 y.0 z.0 <u>۷</u>. ×.0 Metric z.0 Q (y.H2) Metric → R2 z.R13 Interface (a) Routing table of R1 Router က 3 က y.R12 (a) RIP packet: R1 Next Hop 笠 y.0 z.R13 z.R13 z.R13 x.R11 Gateway z.R13 y.R12 x.R11 v.R21 v.R21 Network ×.0 w.H1] Host ×.0 y.0 ₾ Destination y. 0 z.0 ¥.0 <u>۷</u>

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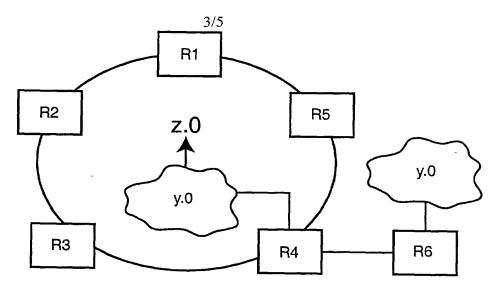


FIG. 2

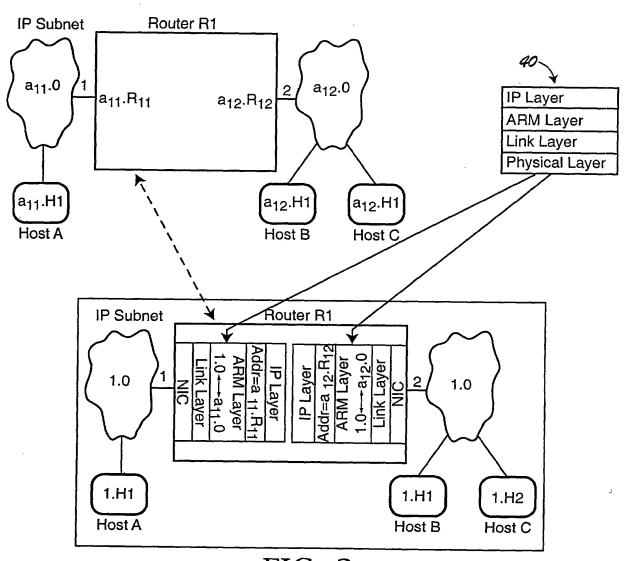


FIG. 3

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RIP Entry (20)

RIP Entry (20)

0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 Address Family Identifier (2) Route Tag (2)

IP Address (4) Subnet Mask (4) Next Hop (4) Metric (4)

## FIG. 4

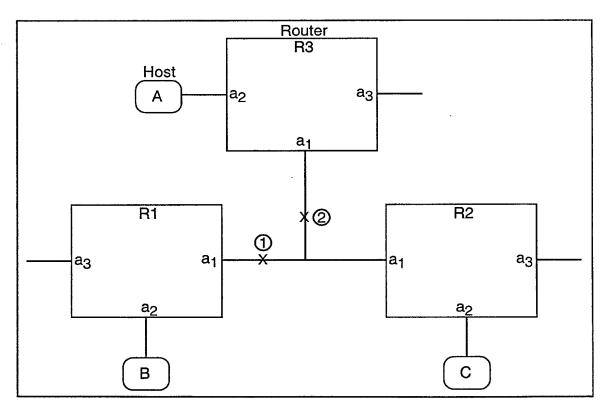


FIG. 5

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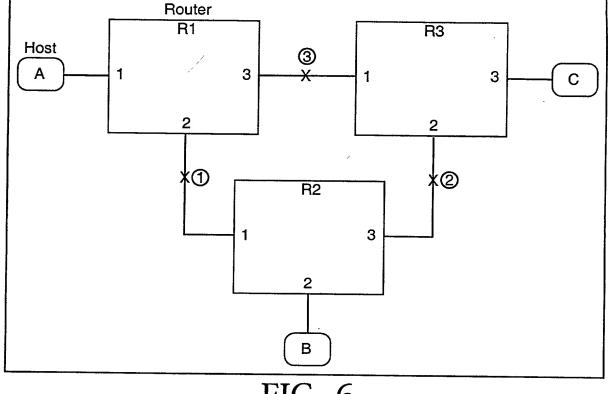


FIG. 6

0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 command (1) version (1) must be zero (2)

ARIP Entry (32)

ARIP Entry (32)

0 1 0 1 2 3 4 5 6 7 8 9 0	) 12345	2 6 7 8 9 0 1 2 3 4 5 6 <i>7</i>	3 8 9 0 1
Address Family Identifier (2)		Route Tag (2)	
Interface Type (1)			
Unique Interface Identifier (11)			
IP Address (4)			
Subnet Mask (4)			
Next Hop (4)			
Metric (4)			

FIG. 7